

WHAT IS CLAIMED IS:

1. A communications device comprising:
a logging module, wherein
the logging module is configured to communicate information regarding a
change to a configuration of a subsystem of the communications
device.
2. The communications device of claim 1, wherein
the communications device further comprises the subsystem; and
the logging module is coupled to the subsystem.
3. The communications device of claim 2, wherein
the logging module is further configured to detect the change.
4. The communications device of claim 3, wherein
the logging module is further configured to broadcast a data packet using a logging
module network address and a logging module communications protocol.
5. The communications device of claim 4, wherein
the logging module is further configured to restrict a change to a configuration of the
logging module by the subsystem.
6. The communications device of claim 4, wherein
the logging module is further configured to communicate the change to the
configuration of the subsystem by broadcasting the data packet, wherein the
data packet indicates the change to the configuration of the subsystem.
7. The communications device of claim 6, wherein
the logging module is configured to broadcast the change to the configuration of the
subsystem to at least one security monitor coupled to the subsystem via a
network.

1 8. The communications device of claim 7, wherein
2 the security monitor is configured to set the communications device to an
3 “untrustworthy” status in response to receiving the change to the configuration
4 of the subsystem.

1 9. The communications device of claim 8, wherein
2 the security monitor is configured to disconnect the communications device from the
3 network in response to the communications device being set to the
4 “untrustworthy” status.

1 10. The communications device of claim 4, wherein
2 the logging module is further configured to restrict the subsystem from broadcasting
3 using the logging module network address and the logging module
4 communications protocol.

1 11. The communications device of claim 4, wherein
2 the logging module is configured to broadcast a series of data packets,
3 each of the data packets comprises an index number, and
4 each of the index numbers is taken from a sequence of numbers.

1 12. The communications device of claim 4, wherein
2 the logging module is configured to communicate the change to the configuration of
3 the subsystem when a condition is satisfied.

1 13. The communications device of claim 12, wherein
2 the logging module is configured to communicate the change to the configuration of
3 the subsystem when an amount of the change is above a certain threshold.

1 14. The communications device of claim 12, wherein
2 the logging module is configured to communicate the change to the configuration of
3 the subsystem when a criticality of the change is above a certain threshold.

1 15. The communications device of claim 12, wherein
2 the logging module is configured to communicate the change to the configuration of
3 the subsystem periodically.

1 16. The communications device of claim 3, wherein
2 the subsystem is a communications interface.

1 17. The communications device of claim 16, wherein
2 the logging module is further configured to restrict a change to a configuration of the
3 logging module by the communications interface.

1 18. The communications device of claim 16, wherein
2 the logging module is further configured to broadcast using the communications
3 interface using a logging module network address and a logging module
4 communications protocol.

1 19. The communications device of claim 18, wherein
2 the logging module is further configured to restrict a change to a configuration of the
3 logging module by the communications interface.

1 20. The communications device of claim 18, wherein
2 the logging module is configured to communicate the change to the configuration of
3 the communications interface by broadcasting the change to the configuration
4 of the communications interface.

1 21. The communications device of claim 20, wherein
2 the logging module is configured to broadcast the change to the configuration of the
3 communications interface to at least one security monitor coupled to the
4 communications interface via a network.

1 22. The communications device of claim 21, wherein
2 the security monitor is configured to set the communications device to an
3 “untrustworthy” status in response to receiving the change to the configuration
4 of the communications interface.

1 23. The communications device of claim 22, wherein
2 the security monitor is configured to disconnect the communications device from the
3 network in response to the communications device being set to the
4 “untrustworthy” status.

1 24. The communications device of claim 18, wherein
2 the logging module is further configured to restrict the communications interface from
3 broadcasting using the logging module network address and the logging
4 module communications protocol.

1 25. The communications device of claim 24, wherein
2 the logging module is configured to restrict the communications interface from
3 broadcasting a change to the configuration of the communications interface
4 using the logging module network address and the logging module
5 communications protocol.

1 26. The communications device of claim 18, wherein
2 the logging module is configured to broadcast using a series of data packets,
3 each of the data packets comprises an index number, and
4 each of the index numbers is taken from a sequence of numbers.

1 27. The communications device of claim 18, wherein
2 the logging module is configured to communicate the change to the configuration of
3 the communications interface when a condition is satisfied.

1 28. The communications device of claim 27, wherein
2 the logging module is configured to communicate the change to the configuration of
3 the communications interface when an amount of the change is above a certain
4 threshold.

1 29. The communications device of claim 27, wherein
2 the logging module is configured to communicate the change to the configuration of
3 the communications interface when a criticality of the change is above a
4 certain threshold.

1 30. The communications device of claim 27, wherein
2 the logging module is configured to communicate the change to the configuration of
3 the communications interface periodically.

1 31. The communications device of claim 3, wherein
2 the logging module is configured to communicate the change to the configuration of
3 the subsystem by broadcasting the change to the configuration of the
4 subsystem.

1 32. The communications device of claim 31, wherein
2 the logging module is configured to broadcast the change to the configuration of the
3 subsystem to at least one security monitor coupled to the subsystem via a
4 network.

1 33. The communications device of claim 32, wherein
2 the security monitor is configured to set the communications device to an
3 “untrustworthy” status in response to receiving the change to the configuration
4 of the subsystem.

1 34. The communications device of claim 33, wherein
2 the security monitor is configured to disconnect the communications device from the
3 network in response to the communications device being set to the
4 “untrustworthy” status.

1 35. The communications device of claim 3, wherein
2 the logging module is further configured to broadcast the change to a security monitor.

1 36. The communications device of claim 35, wherein
2 the logging module is configured to communicate the change when a condition is
3 satisfied.

1 37. The communications device of claim 36, wherein
2 the logging module is configured to communicate the change when an amount of the
3 change is above a certain threshold.

1 38. The communications device of claim 36, wherein
2 the logging module is configured to communicate the change when a criticality of the
3 change is above a certain threshold.

1 39. The communications device of claim 36, wherein
2 the logging module is configured to communicate the change periodically.

1 40. The communications device of claim 36, wherein
2 the subsystem is a communications interface.

1 41. A method comprising:
2 detecting a change in a configuration of a subsystem of a communications device; and
3 communicating information regarding the change.

1 42. The method of claim 41, further comprising:
2 determining the configuration.

1 43. The method of claim 42, wherein
2 the information comprises an indication of an occurrence of the change.

1 44. The method of claim 42, wherein
2 the information comprises a change made to the configuration.

1 45. The method of claim 42, further comprising:
2 executing a process in a logging module of the communications device, wherein the
3 logging process performs the detecting the change and the communicating
4 information regarding the change.

1 46. The method of claim 45, wherein
2 the subsystem is a communications interface, and
3 the executing the process in the logging module comprises executing a logging
4 process.

1 47. The method of claim 46, wherein the executing a logging process comprises:
2 executing a logging process in the logging module of the communications device
3 according to a configuration of the logging module.

1 48. The method of claim 46, wherein the communicating comprises:
2 broadcasting the information.

1 49. The method of claim 48, wherein the broadcasting is performed using the
2 communications interface.

1 50. The method of claim 49, wherein the broadcasting is performed using:
2 a logging module network address, and
3 a logging module communications protocol.

1 51. The method of claim 49, wherein the broadcasting comprises:
2 broadcasting the information to a security monitoring process executing on a security
3 monitor coupled to the communications interface via a network.

1 52. The method of claim 51, wherein the security monitoring process comprises:
2 setting the communications device to an “untrustworthy” status in response to
3 receiving the change to the configuration of the communications interface.

1 53. The method of claim 52, wherein the security monitoring process comprises:
2 disconnecting the communications device from the network in response to the
3 communications device being set to the “untrustworthy” status.

1 54. The method of claim 48, wherein the broadcasting comprises:
2 sending a series of data packets, wherein
3 each of the data packets comprises an index number and
4 each of the index numbers is taken from a sequence of numbers.

1 55. The method of claim 48, wherein the communicating comprises:
2 indicating the change to the configuration of the communications interface when a
3 condition is satisfied.

1 56. The method of claim 55, wherein the communicating comprises:
2 indicating the change to the configuration of the communications interface when an
3 amount of the change is above a certain threshold.

1 57. The method of claim 55, wherein the communicating comprises:
2 indicating the change to the configuration of the communications interface when a
3 criticality of the change is above a certain threshold.

1 58. The method of claim 55, wherein the communicating is performed
2 periodically.

1 59. The method of claim 46, further comprising:
2 executing at least one process in the subsystem according to the configuration of the
3 subsystem.

1 60. The method of claim 59, wherein the executing the at least one process in the
2 communications interface comprises:
3 executing a communications process.

1 61. The method of claim 60, wherein the executing the logging process further
2 comprises:
3 restricting a change to a configuration of the logging module by the communications
4 process.

1 62. The method of claim 60, wherein the executing the logging process further
2 comprises:
3 broadcasting through the communications interface using a logging module network
4 address and a logging module communications protocol.

1 63. The method of claim 62, wherein the executing the logging process further
2 comprises:
3 restricting a change to a configuration of the logging module by the communications
4 process.

1 64. The method of claim 62, wherein the executing the logging process further
2 comprises:
3 restricting the communications process from broadcasting using the logging module
4 network address and the logging module communications protocol.

1 65. The method of claim 64, wherein the restricting comprises:
2 restricting the communications interface from broadcasting a change to the
3 configuration of the communications interface using the logging module
4 network address and the logging module communications protocol.

1 66. The method of claim 42, wherein the communicating comprises:
2 broadcasting the information.

1 67. The method of claim 66, wherein the broadcasting is performed using the
2 subsystem.

1 68. The method of claim 67, wherein the broadcasting is performed using:
2 a logging module network address, and
3 a logging module communications protocol.

1 69. The method of claim 68, wherein the broadcasting comprises:
2 broadcasting the change to the configuration of the subsystem to a security monitoring
3 process executing on a security monitor coupled to the communications device
4 via a network.

1 70. The method of claim 69, wherein the security monitoring process comprises:
2 setting the communications device to an "untrustworthy" status in response to
3 receiving the change to the configuration of the subsystem.

1 71. The method of claim 69, wherein the security monitoring process comprises:
2 disconnecting the communications device from the network in response to the
3 communications device being set to the "untrustworthy" status.

1 72. The method of claim 66, wherein the communicating comprises:
2 indicating the change to the configuration of the subsystem when a condition is
3 satisfied.

1 73. The method of claim 72 wherein the communicating is performed periodically.

1 74. A communications device comprising:
2 a subsystem;
3 a processor, coupled to the subsystem;
4 computer readable medium coupled to the processor; and
5 computer code, encoded in the computer readable medium, configured to cause the
6 processor to:
7 detect a change in a configuration of the subsystem; and

8 communicate information regarding the change.

1 75. The communications device of claim 74, wherein the computer code is further
2 configured to cause the processor to:
3 determine the configuration.

1 76. The communications device of claim 75, wherein the computer code
2 configured to cause the processor to communicate the information regarding the change is
3 further configured to cause the processor to:
4 broadcast the information.

1 77. The communications device of claim 76, wherein the computer code
2 configured to cause the processor to communicate the information regarding the change is
3 further configured to cause the processor to:
4 indicate the change to the configuration of the subsystem when a condition is
5 satisfied.

1 78. The communications device of claim 76, wherein the computer code
2 configured to cause the processor to communicate broadcast the information is configured to
3 use:
4 a logging module network address, and
5 a logging module communications protocol.

1 79. The communications device of claim 78, wherein the computer code
2 configured to cause the processor to communicate broadcast the information is further
3 configured to cause the processor to:
4 broadcast the change to the configuration of the subsystem to a security monitoring
5 process executing on a security monitor coupled to the communications device
6 via a network.

1 80. The communications device of claim 75, wherein the computer code is further
2 configured to cause the processor to:

3 execute a process in a logging module of the communications device, wherein the
4 logging process performs the detecting the change and the communicating
5 information regarding the change.

1 81. The communications device of claim 80, wherein the computer code
2 configured to cause the processor to execute the process in the logging module of the
3 communications device is further configured to cause the processor to:

4 execute a logging process, wherein
5 the subsystem is a communications interface.

1 82. The communications device of claim 81 wherein the computer code
2 configured to cause the processor to communicate the information regarding the change is
3 further configured to cause the processor to:
4 broadcast the information.

1 83. The communications device of claim 82, wherein the computer code
2 configured to cause the processor to communicate the information regarding the change is
3 further configured to cause the processor to:
4 indicate the change to the configuration of the communications interface when a
5 condition is satisfied.

1 84. The communications device of claim 81, wherein the computer code is further
2 configured to cause the processor to:
3 execute at least one process in the subsystem according to the configuration of the
4 subsystem.

1 85. The communications device of claim 84, wherein the computer code
2 configured to cause the processor to execute the at least one process in the subsystem
3 according to the configuration of the subsystem is further configured to cause the processor
4 to:
5 execute a communications process.

1 86. The communications device of claim 85, wherein the computer code
2 configured to cause the processor to execute the logging process is further configured to cause
3 the processor to:
4 broadcast through the communications interface using a logging module network
5 address and a logging module communications protocol.

1 87. A computer program product comprising:
2 a first set of instructions, executable on a computer system, configured to detect a
3 change in a configuration of a subsystem of a communications device;
4 a second set of instructions, executable on the computer system, configured to
5 communicate information regarding the change; and
6 computer readable media, wherein the computer program product is encoded in the
7 computer readable media.

1 88. The computer program product of claim 87, further comprising:
2 a third set of instructions, executable on the computer system, configured to determine
3 the configuration;

1 89. The computer program product of claim 88, wherein the second set of
2 instructions comprises:
3 a first subset of instructions, executable on the computer system, configured to
4 broadcast the information.

1 90. The computer program product of claim 89, wherein the second set of
2 instructions comprises:
3 a second subset of instructions, executable on the computer system, configured to
4 indicate the change to the configuration of the subsystem when a condition is
5 satisfied.

1 91. The computer program product of claim 89, wherein the second set of
2 instructions use:
3 a logging module network address, and
4 a logging module communications protocol.

1 92. The computer program product of claim 91, wherein the second set of
2 instructions comprises:
3 a third subset of instructions, executable on the computer system, configured to
4 broadcast the change to the configuration of the subsystem to a security
5 monitoring process executing on a security monitor coupled to the
6 communications device via a network.

1 93. The computer program product of claim 91, further comprising:
2 a fourth set of instructions, executable on the computer system, configured to execute
3 a process in a logging module of the communications device, wherein the
4 logging process performs the detecting the change and the communicating
5 information regarding the change.

1 94. The computer program product of claim 93, wherein the fourth set of
2 instructions comprises:
3 a first subset of instructions, executable on the computer system, configured to
4 execute a logging process, wherein
5 the subsystem is a communications interface.

1 95. The computer program product of claim 94, wherein the second set of
2 instructions comprises:
3 a first subset of instructions, executable on the computer system, configured to
4 broadcast the information.

1 96. The computer program product of claim 95, wherein the second set of
2 instructions comprises:
3 a second subset of instructions, executable on the computer system, configured to
4 indicate the change to the configuration of the subsystem when a condition is
5 satisfied.

1 97. The computer program product of claim 94, further comprising:
2 a fifth set of instructions, executable on the computer system, configured to execute at
3 least one process in the subsystem according to the configuration of the
4 subsystem.

1 98. The computer program product of claim 97, wherein the fifth set of
2 instructions comprises:
3 a first subset of instructions, executable on the computer system, configured to
4 execute a communications process.

1 99. The computer program product of claim 98, wherein the first subset of the
2 fourth set of instructions comprises:
3 a first sub-subset of instructions, executable on the computer system, configured to
4 broadcast through the communications interface using a logging module
5 network address and a logging module communications protocol.

1 100. An apparatus comprising:
2 means for detecting a change in a configuration of a subsystem of a communications
3 device; and
4 means for communicating information regarding the change.

1 101. The apparatus of claim 100, further comprising:
2 means for determining the configuration.

1 102. The apparatus of claim 101, wherein the means for communicating comprises:
2 means for broadcasting the information.

1 103. The apparatus of claim 102, wherein the means for communicating comprises:
2 means for indicating the change to the configuration of the subsystem when a
3 condition is satisfied.

1 104. The apparatus of claim 102, wherein the means for broadcasting is configured
2 to use:
3 a logging module network address, and
4 a logging module communications protocol.

1 105. The apparatus of claim 104, wherein the means for broadcasting comprises:
2 means for broadcasting the change to the configuration of the subsystem to a security
3 monitoring process executing on a security monitor coupled to the
4 communications device via a network.

1 106. The apparatus of claim 101, further comprising:
2 means for executing a logging process in a logging module of the communications
3 device, wherein the logging process performs the detecting the change and the
4 communicating information regarding the change.

1 107. The apparatus of claim 106, wherein
2 the subsystem is a communications interface, and
3 the means for executing the process in the logging module comprises
4 means for executing a logging process.

1 108. The apparatus of claim 107, wherein the means for communicating comprises:
2 means for broadcasting the information.

1 109. The apparatus of claim 108, wherein the means for communicating comprises:
2 means for indicating the change to the configuration of the communications interface
3 when a condition is satisfied.

1 110. The apparatus of claim 107, further comprising:
2 means for executing at least one process in the subsystem according to the
3 configuration of the subsystem.

1 111. The apparatus of claim 110, wherein the means for executing the at least one
2 process in the communications interface comprises:
3 means for executing a communications process.

1 112. The apparatus of claim 111, wherein the means for executing the logging
2 process further comprises:
3 means for broadcasting through the communications interface using a logging module
4 network address and a logging module communications protocol.